

CLAIMS

1. A display device which is characterized in that the display device comprises a light-emitting device having a plurality of pixels and an optical system provided at one side of the light-emitting device,

5 wherein a light-emitting element is provided in each of the plurality of pixels,
 wherein two electrodes of the light-emitting element both have translucency,
and

 wherein the optical system makes light emitted from one of two adjacent pixels
of the plurality of pixels incident into a left eye of a viewer and makes light emitted
10 from the other incident into a right eye of the viewer by controlling a traveling direction
of light emitted from the plurality of pixels.

2. A display device which is characterized in that the display device comprises a light-emitting device having a plurality of pixels and an optical system provided at one
15 side of the light-emitting device,

 wherein a light-emitting element and first and second shield means that can
shield light are provided in each of the plurality of pixels,

 wherein two electrodes of the light-emitting element both have translucency,
 wherein light emitted from a portion of a region of the light-emitting element
20 to one side of the light-emitting element is shielded by the first shield means and light
emitted from the other region of the light-emitting element to the other side of the
light-emitting element is shielded by the second shield means, and

 wherein the optical system makes light emitted from one of two adjacent pixels
of the plurality of pixels incident into a left eye of a viewer and makes light emitted
25 from the other incident into a right eye of the viewer by controlling a traveling direction
of light emitted from the plurality of pixels.

3. A display device which is characterized in that the display device comprises a light-emitting device comprising having a plurality of pixels and an optical system
30 provided at one side of the light-emitting device,

wherein first and second light-emitting elements and first and second shield means that can shield light are provided in each of the plurality of pixels,

wherein two electrodes of the first and second light-emitting elements both have translucency,

5 wherein light emitted from the first light-emitting element to one side of the light-emitting device is shielded by the first shield means and light emitted from the second light-emitting element to the other side of the light-emitting device is shielded by the second shield means, and

 wherein the optical system makes light emitted from one of two adjacent pixels
10 of the plurality of pixels incident into a left eye of a viewer and makes light emitted from the other incident into a right eye of the viewer by controlling a traveling direction of light emitted to the one side of the light-emitting device.

4. A display device which is characterized in that the display device comprises a
15 light-emitting device having a plurality of pixels and an optical system at one side of the light-emitting device,

 wherein first and second light-emitting elements and first and second shield means that can shield light are provided in each of the plurality of pixels,

 wherein the first and second light-emitting elements comprise (have?) two
20 electrodes that both have translucency,

 wherein light emitted from the first light-emitting element to one side of the light-emitting device is shielded by the first shield means and light emitted from the second light-emitting element to the other side of the light-emitting device is shielded by the second shield means,

25 wherein one of the first light-emitting element and the second light-emitting element is turned off while the other emits light, and

 wherein the optical system makes light emitted from one of two adjacent pixels of the plurality of pixels incident into a light eye of a viewer and light emitted from the other incident into a right eye of the viewer by controlling a traveling direction of light
30 emitted to the one side of the light-emitting device.

5. The display device according to one of claims 1 to 4, wherein the optical system is a lenticular lens, a microlens array, or a parallax barrier.

5 6. An electronic equipment which is characterized in that the electronic equipment comprises a display device which has a light-emitting device having a plurality of pixels, an optical system provided at one side of the light-emitting device, and a shield means that can shield light to be transmitted through the light-emitting device,

wherein a light-emitting element is provided in each of the plurality of pixels,
10 wherein two electrodes of the light-emitting element both have translucency,
wherein the optical system makes light emitted from one of two adjacent pixels of the plurality of pixels incident into a left eye of a viewer and makes light emitted from the other incident into a right eye of the viewer by controlling a traveling direction of light emitted from the plurality of pixels, and

15 wherein the shield means can be move a position so as to exist on the opposite side of the light-emitting device from the viewer.

7. An electronic equipment which is characterized in that the electronic equipment comprises a display device having a light-emitting device having a plurality of pixels,
20 an optical system at one side of the light-emitting device, and a first shield means and a second shield means that can shield light to be transmitted through the light-emitting device,

wherein a light-emitting element is provided in each of the plurality of pixels,
wherein two electrodes the light-emitting element both have translucency,
25 wherein the optical system makes light emitted from one of two adjacent pixels of the plurality of pixels incident into a left eye of a viewer and makes light emitted from the other incident into a right eye of the viewer by controlling a traveling direction of light emitted from the plurality of pixels, and

wherein the first shield means can move a position so as to exist on the
30 opposite side of the light-emitting device from the optical system and the second shield

means can move a position so as to exist on the opposite side of the optical system from the optical system.

8. The electronic equipment according to claims 6 or 7, wherein the optical system is
5 a lenticular lens, a microlens array, or a parallax barrier.

9. An electronic equipment which is characterized in that the electronic equipment
comprises a light-emitting device,
wherein random dot stereogram can be displayed using the light-emitting
10 device.

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